

**SYSTEM AND METHOD FOR MAINTAINING LARGE-GRAINED  
DATABASE CONCURRENCY WITH A LOG MONITOR  
INCORPORATING DYNAMICALLY REDEFINABLE BUSINESS LOGIC**

**Abstract**

5           A system and method for maintaining large-grained database concurrency  
with a log monitor incorporating dynamically redefinable business logic are  
described. Operations expressed in a data manipulation language are executed  
against a source database. At least one operation constitutes a commit operation  
that completes each database transaction. A current rule set is defined. Each rule  
10 includes business logic specifying a data selection criteria for records stored in the  
source database. A log entry is periodically generated in a log for each  
transaction committed to the source database. Each log entry identifies an  
affected record and includes transactional data. The transaction identified in each  
log entry is evaluated against the data selection criteria specified in the current  
15 rule set. A new record is built in accordance with metadata describing a  
destination database. The new record contains select transactional data from the  
log entry of each transaction meeting the selection criteria. The new record is  
stored into the destination database. The data stored in the destination database  
includes at least a partial subset of the source database.